



PCT10

RAW SEQUENCE LISTING

DATE: 12/27/2002

PATENT APPLICATION: US/10/089,320A

TIME: 12:41:02

Input Set : N:\Crf4\12112002\J089320.raw

Output Set: N:\CRF4\12272002\J089320A.raw

1 <110> APPLICANT: KYOWA HAKKO KOGYO CO., LTD.
 2 <120> TITLE OF INVENTION: Shear Stress-Responsive Genes
 3 <130> FILE REFERENCE: 1241.22
 4 <140> CURRENT APPLICATION NUMBER: US/10/089,320A
 5 <141> CURRENT FILING DATE: 2002-03-28
 6 <150> PRIOR APPLICATION NUMBER: JP 1999-280976
 7 <151> PRIOR FILING DATE: 1999-10-01
 8 <160> NUMBER OF SEQ ID NOS: 181
 9 <170> SOFTWARE: PatentIn Ver. 2.0

mp 2-4
Important:
 All nucleotides
 must be in lower-case
 letters.

ERRORED SEQUENCES

**Does Not Comply
 Corrected Diskette Needed**

13688 <210> SEQ ID NO: 168
 13689 <211> LENGTH: 1536
 13690 <212> TYPE: DNA
 13691 <213> ORGANISM: Homo sapiens
 13692 <220> FEATURE:
 13693 <221> NAME/KEY: CDS
 13694 <222> LOCATION: (139)..(1062)
 13695 <400> SEQUENCE: 168

13696	gtgctccgcc gcccgcccg acccgggccc agccgcctcc acggcccgcg ctgctactgg	60
13697	agcgaagagc ggcctcctga gggaggggaa gggacgtggg ggcggccacg gcaggattaa	120
13698	cctccatttc agctaatac atg gga gag att aaa gtc tct cct gat tat aac	171
13699	Met Gly Glu Ile Lys Val Ser Pro Asp Tyr Asn	
13700	1 5 10	
13701	tgg ttt aga ggt aca gtt ccc ctt aaa aag att att gtg gat gat gat	219
13702	Trp Phe Arg Gly Thr Val Pro Leu Lys Lys Ile Ile Val Asp Asp Asp	
13703	15 20 25	
13704	gac agt aag ata tgg tcg ctc tat gac gcg ggc ccc cga agt atc agg	267
13705	Asp Ser Lys Ile Trp Ser Leu Tyr Asp Ala Gly Pro Arg Ser Ile Arg	
13706	30 35 40	
13707	tgt cct ctc ata ttc ctg ccc cct gtc agt gga act gca gat gtc ttt	315
13708	Cys Pro Leu Ile Phe Leu Pro Pro Val Ser Gly Thr Ala Asp Val Phe	
13709	45 50 55	
13710	ttc cgg cag att ttg gct ctg act gga tgg ggt tac cgg gtt atc gct	363
13711	Phe Arg Gln Ile Leu Ala Leu Thr Gly Trp Gly Tyr Arg Val Ile Ala	
13712	60 65 70 75	
13713	ttg cag tat cca gtt tat tgg gac cat ctc gag ttc tgt gat gga ttc	411
13714	Leu Gln Tyr Pro Val Tyr Trp Asp His Leu Glu Phe Cys Asp Gly Phe	
13715	80 85 90	
13716	aga aaa ctt tta gac cat tta caa ttg gat aaa gtt cat ctt ttt ggc	459
13717	Arg Lys Leu Leu Asp His Leu Gln Leu Asp Lys Val His Leu Phe Gly	

See P. 2

*Per Sequence
 Rules
 for
 "new"
 Sequence
 Listing*

DATE: 12/27/2002

TIME: 12:41:03

Input Set : N:\Crf4\12112002\J089320.raw

Output Set: N:\CRF4\12272002\J089320A.raw

13718					95				100				105				
13719	gct tct ttg gga ggc ttt ttg gcc cag aaa ttt gct gaa tat act cac	507															
13720	Ala Ser Leu Gly Gly Phe Leu Ala Gln Lys Phe Ala Glu Tyr Thr His																
13721	110 115 120																
13722	aaa tct cct aga gtc cat tcc cta atc ctc tgc aat tcc ttc agt gac	555															
13723	Lys Ser Pro Arg Val His Ser Leu Ile Leu Cys Asn Ser Phe Ser Asp																
13724	125 130 135																
13725	acc tct atc ttc aac caa act tgg act gca aac agc ttt tgg ctg atg	603															
13726	Thr Ser Ile Phe Asn Gln Thr Trp Thr Ala Asn Ser Phe Trp Leu Met																
13727	140 145 150 155																
13728	cct gca ttt atg ctc aaa aaa ata gtt ctt gga aat ttt tca tct ggc	651															
13729	Pro Ala Phe Met Leu Lys Lys Ile Val Leu Gly Asn Phe Ser Ser Gly																
13730	160 165 170																
13731	ccg gtg gac cct atg atg gct gat gcc att gat ttc atg gta gac agg	699															
13732	Pro Val Asp Pro Met Met Ala Asp Ala Ile Asp Phe Met Val Asp Arg																
13733	175 180 185																
13734	cta gaa agt ttg ggt cag agt gaa ctg gct tca aga ctt acc ttg aat	747															
13735	Leu Glu Ser Leu Gly Gln Ser Glu Leu Ala Ser Arg Leu Thr Leu Asn																
13736	190 195 200																
13737	tgt caa aat tct tat gtg gta cct cat aaa att cgg gac ata cct gta	795															
13738	Cys Gln Asn Ser Tyr Val Val Pro His Lys Ile Arg Asp Ile Pro Val																
13739	205 210 215																
13740	act att atg gat gtg ttt gat cag agt gcg ctt tca act gaa gct aaa	843															
13741	Thr Ile Met Asp Val Phe Asp Gln Ser Ala Leu Ser Thr Glu Ala Lys																
13742	220 225 230 235																
13743	gaa gaa atg tac aag ctg tat cct aat gcc cga aga gct cat ctg aaa	891															
13744	Glu Glu Met Tyr Lys Leu Tyr Pro Asn Ala Arg Arg Ala His Leu Lys																
13745	240 245 250																
13746	aca gga ggc aat ttc cca tac ctg tgc aga agt gca gag gtc aat ctt	939															
13747	Thr Gly Gly Asn Phe Pro Tyr Leu Cys Arg Ser Ala Glu Val Asn Leu																
13748	255 260 265																
13749	tat gta cag ata cat ttg ctg caa ttc cat gga acc aaa tac gcg gcc	987															
13750	Tyr Val Gln Ile His Leu Leu Gln Phe His Gly Thr Lys Tyr Ala Ala																
13751	270 275 280																
13752	att gac cca tca atg gtc agt gcc gag gag ctt gag gtg cag aaa ggc	1035															
13753	Ile Asp Pro Ser Met Val Ser Ala Glu Glu Leu Glu Val Gln Lys Gly																
13754	285 290 295																
13755	agc ctt ggc atc agc cag gag gag cag tagtgtgtct ctcgctgtca atgatga	1089															
13756	Ser Leu Gly Ile Ser Gln Glu Glu Gln																
13757	300 305																
13758	gttgaccogg tgtgttcttg tatagtcagt ggcatcagca ccggtcagcc ggccittttcc	1149															
13759	ttcaggttcg tcaggctcac cggttctcac tgtgtctggg aagtaggact gatggtcac	1209															
13760	ttcatgacag gcggcatctc cactaagcct gtgtaactgt tccctctttg gttttcttag	1269															
13761	cttttgaatt tgaagaagta cttttgaaga ctcccathtt aagaaccgtg cagathttg	1329															
13762	taccaaaagt cttcaccact gtgttcttaa gtgaatgtta attctgagg tttgggact	1389															
13763	tgtggtggtt tttttcttct tttcttttcc attcttcttt ctttcttttt atgttgtttg	1449															
E--> 13764	ctgtaaatgc tgcacatcca gattgcatat caggacattg gttatthtat gctttcttgg	1509 atataacct g															

↑
user
on hard return

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/089,320A

DATE: 12/27/2002
TIME: 12:41:04

Input Set : N:\Crf4\12112002\J089320.raw
Output Set: N:\CRF4\12272002\J089320A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:159; Line(s) 13612
Seq#:160; Line(s) 13621
Seq#:161; Line(s) 13630
Seq#:162; Line(s) 13639
Seq#:163; Line(s) 13648
Seq#:164; Line(s) 13657
Seq#:165; Line(s) 13666
Seq#:166; Line(s) 13675
Seq#:167; Line(s) 13684
Seq#:168; Line(s) 13696,13697,13698,13701,13704,13707,13710,13713,13716
Seq#:168; Line(s) 13719,13722,13725,13728,13731,13734,13737,13740,13743
Seq#:168; Line(s) 13746,13749,13752,13755,13758,13759,13760,13761,13762
Seq#:168; Line(s) 13763,13764
Seq#:170; Line(s) 13820,13821,13822,13823,13826,13829,13832,13835,13838
Seq#:170; Line(s) 13841,13844,13847,13850,13853,13856,13859,13862,13865
Seq#:170; Line(s) 13868,13871,13874,13876,13877,13878,13879,13880,13881
Seq#:170; Line(s) 13882,13883,13884,13885,13886,13887,13888,13889,13890
Seq#:170; Line(s) 13891,13892,13893,13894,13895,13896,13897,13898,13899
Seq#:170; Line(s) 13900,13901
Seq#:172; Line(s) 13951,13952,13955,13958,13961,13964,13967,13970,13973
Seq#:172; Line(s) 13976,13979,13982,13985,13988,13991,13994,13997,14000
Seq#:172; Line(s) 14003,14006,14009,14012,14015,14018,14021,14024,14025
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Seq#:172; Line(s) 14035,14036,14037,14038,14039,14040,14041,14042,14043
Seq#:172; Line(s) 14044,14045,14046

VERIFICATION SUMMARY

DATE: 12/27/2002

PATENT APPLICATION: US/10/089,320A

TIME: 12:41:04

Input Set : N:\Cr4\12112002\J089320.raw

Output Set: N:\CRF4\12272002\J089320A.raw

L:1458 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:15
L:1458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1485
L:1459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1545
L:1460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1605
L:1461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1665
L:1462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1725
L:1463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1785
L:1471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:2265
L:1475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:2505
L:1478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:2685
L:1479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:2745
L:1480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:2805
L:7015 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:67
L:7015 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:1457
L:10581 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:109
L:10581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109 after pos.:435
L:10584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109 after pos.:483
L:10713 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:110,Line#:0
L:10713 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:110,Line#:0
L:10720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:48
L:10722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:64
L:10948 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:96
L:10951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:144
L:10963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:336
L:11030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:16
L:11032 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:32
L:11040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:96
L:11080 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:120
L:11098 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:0
L:11099 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:52
L:11134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118 after pos.:0
L:11267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:0
L:11268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:49
L:11320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:0
L:11368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:370
L:11390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:48
L:11618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131 after pos.:360
L:11619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131 after pos.:420
L:11658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:132 after pos.:180
L:11661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:132 after pos.:360
L:11662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:132 after pos.:420
L:11687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:133 after pos.:300
L:13613 M:201 W: Mandatory field data missing, <213> ORGANISM
L:13622 M:201 W: Mandatory field data missing, <213> ORGANISM
L:13631 M:201 W: Mandatory field data missing, <213> ORGANISM
L:13764 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:4